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THOMSON INNOVATION

Patent/Publication: JP11032027A METHOD, SYSTEM AND RECEIVER FOR DETERMINING SYMBOL TRANSMISSION FORMAT USED IN TRANSMISSION SYSTEM**Bibliography****DWPI Title**

Transmission format detection system for digital signals using complex symbols comparing first and second occurrences of complex symbol groups, and obtaining correlation between such groups to determine format

Original Title

METHOD, SYSTEM AND RECEIVER FOR DETERMINING SYMBOL TRANSMISSION FORMAT USED IN TRANSMISSION SYSTEM

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Abstract**Abstract**

PROBLEM TO BE SOLVED: To recover a complex symbol which has been edited especially for an orthogonal frequency division multiplexing (OFDM) block, without the need for a reference signal and without knowing the transmission format in advance.

SOLUTION: The proposed method includes a step, where a 1st sequence of a complex symbol is stored by using an acquisition time window (AW), steps 311, 312 where a correlation between the 1st sequence of the complex symbol and a 2nd sequence of a complex symbol selected by using a correlation time window (CW) at other moment is determined, and steps 330, 340, 350, 380 where a transmission format is determined by retrieving a point at which the correlation between the 1st sequence of the complex symbol and the 2nd sequence of the complex symbol is maximized. The retrieval is conducted by synchronizing the acquisition window with the received signal and selecting the 1st production by the acquisition time window while the 2nd production by the correlation time window.

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Classes/Indexing**IPC**

IPC Code(1-7) **H04J 11/00** H04L 27/38
(6)

Current IPC-R	Invention	Version	Additional	Version
Advanced	H04L 27/38	20060101	-	-
	H04J 11/00	20060101		
	H04L 27/00	20060101		
	H04L 27/26	20060101		

Core	H04L 27/38	20060101	-	-
	H04J 11/00	20060101		
	H04L 27/00	20060101		
	H04L 27/26	20060101		
Subclass	-	-	-	-

ECLA


H04L002700M H04L002726M5 H04L002726M5C5

DWPI Manual Codes Expand DWPI Manual Codes**Legal Status****INPADOC Legal Status**

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Family**Family** Expand INPADOC Family (8)**Claims**

No Claims exist for this Record

Description**Drawing Description** Expand Drawing Description**Description** Expand Description**Citations****Citation**

Citing Patents (0)

 Expand Cited Patents (7)

Cited Non-patents (0)

Other**Index Terms**

CABLE SATELLITE DIGITAL TV

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JP11032027A Patent Images

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